

***Hemileuca lucina* (New England Buckmoth)****Priority 3 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Lepidoptera* (Butterflies, Skippers, And Moths)**Family:** *Saturniidae* (Emperor, Atlas, Moon And Silk Moths)**General comments:**

endemic to New England; some regional concern for potential declines

**Species Conservation Range Maps for New England Buckmoth:**Town Map: [Hemileuca lucina\\_Towns.pdf](#)Subwatershed Map: [Hemileuca lucina\\_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation:** NA**State Special Concern or NMFS Species of Concern:** NA**Recent Significant Declines:** NA**Regional Endemic:***Hemileuca lucina's* global geographic range is at least 90% contained within the area defined by USFWS Region 5, the Canadian Maritime Provinces, and southeastern Quebec (south of the St. Lawrence River).

Notes:

endemic to New England; some regional concern for potential declines

**High Regional Conservation Priority:** NA**High Climate Change Vulnerability:** NA**Understudied rare taxa:** NA**Historical:** NA**Culturally Significant:** NA**Habitats Assigned to New England Buckmoth:**

<b>Formation Name</b>	<b>Freshwater Marsh</b>
<b>Macrogroup Name</b>	<b>Wet Meadow-Shrub Marsh</b>
<b>Formation Name</b>	<b>Grassland &amp; Shrubland</b>
<b>Macrogroup Name</b>	<b>Ruderal Shrubland &amp; Grassland</b>
<b>Habitat System Name:</b>	<b>Powerline Right-of-Way</b>
<i>(Spiraea latifolia) present</i>	
<b>Formation Name</b>	<b>Northeastern Wetland Forest</b>
<b>Macrogroup Name</b>	<b>Northern Swamp</b>

**Stressors Assigned to New England Buckmoth:**

No Stressors Currently Assigned to New England Buckmoth or other Priority 3 SGCN.

**Species Level Conservation Actions Assigned to New England Buckmoth:**

No Species Specific Conservation Actions Currently Assigned to New England Buckmoth or other Priority 3 SGCN.

**Conservation Actions Associated with the Peatland Lepidoptera Guild:**

## ***Hemileuca lucina* (New England Buckmoth)**

### **Priority 3 Species of Greatest Conservation Need (SGCN)**

**Class:** *Insecta* (Insects)

**Order:** *Lepidoptera* (Butterflies, Skippers, And Moths)

**Family:** *Saturniidae* (Emperor, Atlas, Moon And Silk Moths)

**Conservation Action****Category:** Species Management**Biological Priority:** critical**Type:** new

Prepare occurrence maps and pesticide spray consultation guidelines for rare Lepidoptera and distribute to strategic partners including Maine Bureau of Pesticides Control.

**Stressor(s) Addressed By This Conservation Action**

Agricultural and Forestry Effluents

**Broad Taxonomic Group Conservation Actions:**

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

**Habitat Based Conservation Actions:**

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*